Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("20020165953").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:51
L2	4889	(internet adj2 appliance$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:51
L3	10205	central adj2 (administrator$3 server$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:51
L4	232	2 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:51
L5	3980	(709/224).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:52
L6	2	4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:01
L7	2261	5 and @ad<"20010501"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:02
L8	1	6 and @ad<"20010501"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:52

L9	1	(concurrent$5 coexitst$5 parallel$5 concur$5) near9 (communicat$5 connect connects connecting link$3 join$5) near9 (internet$5 near9 appliance?)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:00
L10	49	(concurrent$5 coexitst$5 parallel$5 concur$5) near9 (communicat$5 connect connects connecting link$3 join$5) near9 (appliance?)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:00
L11	283	(concurrent$5 coexitst$5 parallel$5 concur$5) near9 (communicat$5 connect connects connecting link$3 join$5) near9 (appliance$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:01
L12	1	11 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:02
L13	377	(concurrent$5 coexitst$5 simultaneous$5 parallel$5 concur$5) near9 (communicat$5 connect connects connecting link$3 join$5) near9 (appliance$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:01
L14	2	13 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:02
L15	242	13 and @ad<"20010501"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:04
L16	17	3 with (monitor$5 determin$5 detect$5) near9 (appliance$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:04

L17	3	3 with (monitor$5 determin$5 detect$5) near9 (appliance$3) near9 (state$3 status)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:12
L18	0	16 and @ad<"20010501"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:05
L19	0	17 and @ad<"20010501"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:05
L20	3	(diong near chong near khai).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:10
L21	125	(remote$5 near9 central$5 near9 (control$3 administrat$5 manage$5) near9 appliance$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 12:12

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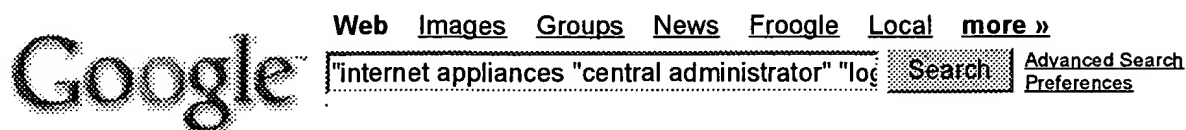
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One should always export settings and the **administrator's** certificate before ... The GUI
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isp-planet.com/technology/vpn/sonicwall_eval2.html - 68k - Cached - Similar pages

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[PDF] Open Services Gateway Initiative (OSGi)
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Internet appliances, the ability to network multiple devices in the home, ... spooling to a
local **log** file or. transfer to a **central** management agent. ...
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Chris Kozlov, Network **Administrator** was given the task of rebuilding the ... policy
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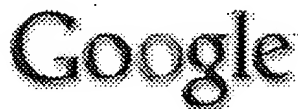www.micromint.com/app_notes/notes/an514.htm - 5k - Cached - Similar pages

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server running on the PC and the program on the phone would connect to the
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control appliances** such as video-recorders, lights, ...
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1 The information furnace: consolidated home control
Diomidis D. Spinellis
May 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 1

Full text available: 📄 pdf(488.36 KB)   Additional Information: full citation, abstract, index terms

> The Information Furnace is a basement-installed PC-type device that integrates existing consumer home-control, infotainment, security and communication technologies to transparently provide accessible and value-added services. A modern home contains a large number of sophisticated devices and technologies. Access to these devices is currently provided through a wide variety of disparate interfaces. As a result, end users face a bewildering array of confusing user-interfaces, access modes a ...

> **Keywords:** Automation, Consumer electronics, Home-control, Multi-modal interfaces

2 Network attached storage architecture
Garth A. Gibson, Rodney Van Meter
November 2000 **Communications of the ACM**, Volume 43 Issue 11

Full text available: 📄 pdf(224.67 KB)   Additional Information: full citation, references, citings, index terms
                     📄 html(43.39 KB)

3 People, places, things: web presence for the real world
Tim Kindberg, John Barton, Jeff Morgan, Gene Becker, Debbie Caswell, Philippe Debaty, Gita Gopal, Marcos Frid, Venky Krishnan, Howard Morris, John Schettino, Bill Serra, Mirjana Spasojevic
October 2002 **Mobile Networks and Applications**, Volume 7 Issue 5

Full text available: 📄 pdf(248.58 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

> The convergence of Web technology, wireless networks, and portable client devices provides new design opportunities for computer/communications systems. In the HP Labs' "Cooltown" project we have been exploring these opportunities through an infrastructure to support "web presence" for people, places and things. We put web servers into things like printers and put information into web servers about things like artwork; we group physically related things into places embodied in web servers. Using ...

> **Keywords:** location-aware computing, nomadic computing, physical-virtual linkage, ubiquitous computing, world wide web

4 Rethinking the design of the Internet: the end-to-end arguments vs. the brave new world
Marjory S. Blumenthal, David D. Clark
August 2001 **ACM Transactions on Internet Technology (TOIT)**, Volume 1 Issue 1

Full text available: pdf(176.33 KB)   Additional Information: full citation, abstract, references, citings, index terms

This article looks at the Internet and the changing set of requirements for the Internet as it becomes more commercial, more oriented toward the consumer, and used for a wider set of purposes. We discuss a set of principles that have guided the design of the Internet, called the end-to-end arguments, and we conclude that there is a risk that the range of new requirements now emerging could have the consequence of compromising the Internet's original design principles. Were ...

Keywords: ISP, Internet, end-to-end argument

5 Applications, services, and architecture: Smart edge server: beyond a wireless access point
G. Manjunath, T. Simunic, V. Krishnan, J. Tourrilhes, D. Das, V. Srinivasmurthy, A. McReynolds
October 2004 **Proceedings of the 2nd ACM international workshop on Wireless mobile applications and services on WLAN hotspots**

Full text available: pdf(410.68 KB)   Additional Information: full citation, abstract, references, index terms

Wireless access at cafes, airports, homes and businesses have proliferated all over the globe with several different Wireless Internet Service Providers. Similarly, digital media has created a paradigm shift in media processing resulting in a complete change in media usage models, revamped existing businesses and has introduced new industry players. We believe there is a tremendous opportunity for application and system services at the intersection of the above two domains for exploiting the ...

Keywords: access point, low-power, management, media, security, wireless

6 Session summaries from the 17th symposium on operating systems principle (SOSP'99)
Jay Lepreau, Eric Eide
April 2000 **ACM SIGOPS Operating Systems Review**, Volume 34 Issue 2

Full text available: pdf(3.15 MB)   Additional Information: full citation, index terms

7 Wide-area monitoring of mobile objects: Electronic shepherd: a low-cost, low-bandwidth, wireless network system
Bjørn Thorstensen, Tore Syversen, Trond-Are Bjørnvold, Tron Walseth
June 2004 **Proceedings of the 2nd international conference on Mobile systems, applications, and services**

Full text available: pdf(409.68 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper reports a new novel low-cost, wireless communication network system, called the "Electronic Shepherd" (ES). The system is innovative in the way that it supports flock behavior, meaning that a flock leader monitors the state of the other elements in the flock using low-cost radio communication equipment. The paper addresses both details of the terminal devices and communication protocols, as well as testing of the system in a real environment. The ES system was originally made to addre ...

Keywords: GPRS, GPS, animal tracking, cost-effective communication, low-power equipment, rural computing, short-range communication, wireless network

8 A self-configuring and self-administering name system with dynamic address assignment

February 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 1

Full text available: pdf(908.57 KB)   Additional Information: full citation, abstract, references, index terms, review

In this article we present a distributed system that stores name-to-address bindings and provides name resolution to a network of computers. This name system consists of a network of name services that are individually self-configuring and self-administering. The name service consists of an agent program that works in conjunction with the current implementation of the Domain Name System (DNS) program. The DNS agent program automatically configures the Berkeley Internet Name Domain (BIND) process ...

Keywords: Berkeley Internet Name Domain, dynamic reconfiguration, name-to-name address binding, self-administering systems, self-configuring systems

9 Mobile agents in distributed network management
Timon C. Du, Eldon Y. Li, An-Pin Chang
July 2003 **Communications of the ACM**, Volume 46 Issue 7

Full text available: pdf(145.79 KB)   Additional Information: full citation, abstract, references, index terms
html(30.77 KB)

By helping to disperse centralized network management tasks to subnet hosts, mobile agent technology helps conserve network bandwidth and improves management efficiency by decreasing network traffic.

10 Content management: Design and implementation of a distributed content management system
C. D. Cranor, R. Ethington, A. Sehgal, D. Shur, C. Sreenan, J. E. van der Merwe
June 2003 **Proceedings of the 13th international workshop on Network and operating systems support for digital audio and video**

Full text available: pdf(98.80 KB)   Additional Information: full citation, abstract, references, index terms

The convergence of advances in storage, encoding, and networking technologies has brought us to an environment where huge amounts of continuous media content is routinely stored and exchanged between network enabled devices. Keeping track of (or managing) such content remains challenging due to the sheer volume of data. Storing "live" continuous media (such as TV or radio content) adds to the complexity in that this content has no well defined start or end and is therefore cumbersome to deal wit ...

Keywords: continuous media storage, distributed content management

11 An end-to-end approach to globally scalable network storage
Micah Beck, Terry Moore, James S. Plank
August 2002 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2002 conference on Applications, technologies, architectures, and protocols for computer communications**, Volume 32 Issue 4

Full text available: pdf(286.82 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper discusses the application of end-to-end design principles, which are characteristic of the architecture of the Internet, to network storage. While putting storage into the network fabric may seem to contradict end-to-end arguments, we try to show not only that there is no contradiction, but also that adherence to such an approach is the key to achieving true scalability of shared network storage. After discussing end-to-end arguments with respect to several properties of network stora ...

Keywords: IBP, asynchronous communications, end-to-end design, exNode, internet backplane protocol, logistical networking, network storage, scalability, store and forward network, wide area storage

12 Defending wireless infrastructure against the challenge of DDoS attacks

Xianjun Geng, Yun Huang, Andrew B. Whinston

June 2002 **Mobile Networks and Applications**, Volume 7 Issue 3

Full text available: pdf(313.57 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper addresses possible Distributed Denial-of-Service (DDoS) attacks toward the wireless Internet including the Wireless Extended Internet, the Wireless Portal Network, and the Wireless Ad Hoc network. We propose a conceptual model for defending against DDoS attacks on the wireless Internet, which incorporates both cooperative technological solutions and economic incentive mechanisms built on usage-based fees. Cost-effectiveness is also addressed through an illustrative implementation sche ...

Keywords: DDoS attack, PBN, wireless ad hoc network, wireless extended internet, wireless infrastructure, wireless portal network

13 The Roma personal metadata service

Edward Swierk, Emre Kiciman, Nathan C. Williams, Takashi Fukushima, Hideki Yoshida, Vince Laviano, Mary Baker

October 2002 **Mobile Networks and Applications**, Volume 7 Issue 5

Full text available: pdf(221.38 KB)   Additional Information: full citation, abstract, references, index terms

People now have available to them a diversity of digital storage facilities, including laptops, cell phone address books, handheld devices, desktop computers and web-based storage services. Unfortunately, as the number of personal data repositories increases, so does the management problem of ensuring that the most up-to-date version of any document in a user's personal file space is available to him on the storage facility he is currently using. We introduce the Roma personal metadata service t ...

Keywords: data synchronization, distributed data storage, distributed databases, metadata, mobile computing, personal systems

14 The Satchel system architecture: mobile access to documents and services

Mike Flynn, David Pendlebury, Chris Jones, Marge Eldridge, Mik Lamming

December 2000 **Mobile Networks and Applications**, Volume 5 Issue 4

Full text available: pdf(207.51 KB)   Additional Information: full citation, abstract, references, citings, index terms

Mobile professionals require access to documents and document‐related services, such as printing, wherever they may be. They may also wish to give documents to colleagues electronically, as easily as with paper, face‐to‐face, and with similar security characteristics. The Satchel system provides such capabilities in the form of a mobile browser, implemented on a device that professional people would be likely to carry anyway, such as a pager or mobile phone. Printing may be per ...

15 Fast and flexible application-level networking on exokernel systems

Gregory R. Ganger, Dawson R. Engler, M. Frans Kaashoek, Hector M. Briceño, Russell Hunt, Thomas Pinckney

February 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 1

Full text available: pdf(500.67 KB)   Additional Information: full citation, abstract, references, citings, index terms

Application-level networking is a promising software organization for improving performance and functionality for important network services. The Xok/ExOS exokernel system includes application-level support for standard network services, while at the same time allowing application writers to specialize networking services. This paper describes how Xok/ExOS's kernel mechanisms and library operating system organization achieve this flexibility, and retrospectively shares our experiences an ...

Keywords: Extensible systems, OS structure, fast servers, network services

16 Blueprint for the future of high-performance networking: The OptIPuter
Larry L. Smarr, Andrew A. Chien, Tom DeFanti, Jason Leigh, Philip M. Papadopoulos
November 2003 **Communications of the ACM**, Volume 46 Issue 11

Full text available: pdf(1.63 MB)   Additional Information: full citation, abstract, references, citings, index
html(35.11 KB)   terms

This architecture/infrastructure of parallel optical networks couples data exploration, visualization, and collaboration technologies through IP at multi-gigabit speeds.

17 Supporting service discovery, querying and interaction in ubiquitous computing environments
Adrian Friday, Nigel Davies, Nat Wallbank, Elaine Catterall, Stephen Pink
November 2004 **Wireless Networks**, Volume 10 Issue 6

Full text available: pdf(209.21 KB)   Additional Information: full citation, abstract, references, index terms

In this paper, we contend that ubiquitous computing environments will be highly heterogeneous, service rich domains. Moreover, future applications will consequently be required to interact with multiple, specialised service location and interaction protocols simultaneously. We argue that existing service discovery techniques do not provide sufficient support to address the challenges of building applications targeted to these emerging environments.

This paper makes a number of contribu ...

Keywords: distributed systems, middleware, mobile and ubiquitous computing, service discovery, service interaction

18 Identification and classification: Class-of-service mapping for QoS: a statistical signature-based approach to IP traffic classification
Matthew Roughan, Subhabrata Sen, Oliver Spatscheck, Nick Duffield
October 2004 **Proceedings of the 4th ACM SIGCOMM conference on Internet measurement**

Full text available: pdf(707.69 KB)   Additional Information: full citation, abstract, references, index terms

The ability to provide different Quality of Service (QoS) guarantees to traffic from different applications is a highly desired feature for many IP network operators, particularly for enterprise networks. Although various mechanisms exist for providing QoS in the network, QoS is yet to be widely deployed. We believe that a key factor holding back widespread QoS adoption is the absence of suitable methodologies/processes for appropriately mapping the traffic from different applications to diff ...

Keywords: class of service (CoS), quality of service (QoS), statistical signature, traffic classification

19 Supporting service discovery, querying and interaction in ubiquitous computing environments
Adrian Friday, Nigel Davies, Elaine Catterall
May 2001

Proceedings of the 2nd ACM international workshop on Data engineering for wireless and mobile access

Full text available: pdf(60.62 KB)   Additional Information: full citation, abstract, references, citings, index terms

Future computing environments will consist of a wide range of network based appliances, applications and services interconnected using both wired and wireless networks. In order to encourage the development of applications in such environments and remove the need for complex administration and configuration tasks, researchers have recently developed a range of service discovery and interaction platforms. Examples of such platforms include SLP, HAVi, UPnP and Jini. While these platforms share ...

Keywords: Mobile and ubiquitous computing, middleware, service discovery, service interaction

20 At home with the technology: an ethnographic study of a set-top-box trial

Jon O'Brien, Tom Rodden, Mark Rouncefield, John Hughes
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Mike Flynn, David Pendlebury, Chris Jones, Marge Eldridge, Mik Lamming
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Mobile professionals require access to documents and document‐related services, such as printing, wherever they may be. They may also wish to give documents to colleagues electronically, as easily as with paper, face‐to‐face, and with similar security characteristics. The Satchel system provides such capabilities in the form of a mobile browser, implemented on a device that professional people would be likely to carry anyway, such as a pager or mobile phone. Printing may be per ...

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5 <u>We Talk to Everybody</u>
Marjorie Richardson, Jason Schumaker, David Penn
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A quick look at some of the people who helped make Linux possible.

6 <u>Enabling dynamic content caching for database-driven web sites</u>
K. Selçuk Candan, Wen-Syan Li, Qiong Luo, Wang-Pin Hsiung, Divyakant Agrawal
May 2001 **ACM SIGMOD Record , Proceedings of the 2001 ACM SIGMOD international conference on Management of data**, Volume 30 Issue 2

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Web performance is a key differentiation among content providers. Snafus and slowdowns at major web sites demonstrate the difficulty that companies face trying to scale to a large amount of web traffic. One solution to this problem is to store web content at server-side and edge-caches for fast delivery to the end users. However, for many e-commerce sites, web pages are created dynamically based on the current state of business processes, represented in application servers and *databases*
Keywords: JDBC, application server, database driven web site, dynamic content caching, invalidation, web acceleration

7 <u>PoPToP, a Secure and Free VPN Solution</u>
Matthew Ramsay
June 2000 **Linux Journal**

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When the expense of a remote access server is no longer attractive, it's time to look at the solution offereda VPN.

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Roy D. Pea
May 1993 **Communications of the ACM**, Volume 36 Issue 5

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Steven O. Kimbrough, Scott A. Moore
October 1997 **ACM Transactions on Information Systems (TOIS)**, Volume 15 Issue 4

Full text available: <u>pdf(502.20 KB)</u>   Additional Information: <u>full citation, abstract, references, citings, index terms</u>

Electronic messaging, whether in an office environment or for electronic commerce, is normally carried out in natural language, even when supported by information systems. For a variety of reasons, it would be useful if electronic messaging systems could have semantic access to, that is, access to the meanings and contents of, the messages they process. Given that natural language understanding is not a practicable alternative, there remain

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Rick Lehrbaum
September 2000 **Linux Journal**

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3 The Roma personal metadata service
Edward Swierk, Emre Kiciman, Nathan C. Williams, Takashi Fukushima, Hideki Yoshida, Vince Laviano, Mary Baker
October 2002 **Mobile Networks and Applications**, Volume 7 Issue 5

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People now have available to them a diversity of digital storage facilities, including laptops, cell phone address books, handheld devices, desktop computers and web-based storage services. Unfortunately, as the number of personal data repositories increases, so does the management problem of ensuring that the most up-to-date version of any document in a user's personal file space is available to him on the storage facility he is currently using. We introduce the Roma personal metadata service t ...

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